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CONNECTION

Information for Teachers

ALBERTA EDUCATION
Vol. 3, No. 3, March 1995

Connection is a publication of the Student Programs and Evaluation Division.

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ON THE MOVE

All of the Curriculum Standards Branch is now together at one location—the Devonian Building on Jasper Avenue in Edmonton. The mailing address remains the same.

The general telephone number for the following units is now 403–422–4872 and their fax is 403–422–5129.

Administration
Career and Technology Studies
Document Production
Learning Resources Unit
Policy Unit

The general telephone number for the following units is now 403–427–2984 and their fax is 403–422–3745.

Director's Office
Elementary Programs
International Languages
Secondary Programs

RESOURCES NOTE

The authorized resources listed herein, basic and teaching, are all approved and available from the LRDC.

LRDC Ordering

Orders can be placed through:

Learning Resources Distributing Centre
12360 – 142 Street
Edmonton, Alberta
T5L 4X9
Telephone: 403–427–5775
Fax: 403–422–9750

ECS–GRADE 12 CURRICULUM AND RESOURCES

Classroom Assessment Materials (CAM) Project

Grade 1 to Grade 12

Assessment materials are being developed for Grade 1 to Grade 12 in key academic areas and Career and Technology Studies. Many teachers have written expressing an interest in participating, and we are delighted with the response. Brochures about this project have been sent to all schools in the province.

For more information on specific areas, contact the following persons.

English Language Arts
Elana Scraba, 403–422–0010

Mathematics
Hugh Sanders, 403–427–2984

Science
Bernie Galbraith, 403–427–2984

Social Studies
Doug Burns, 403–427–0010

Français and French Language Arts
Alain Nogue, 403–427–2940

English as a Second Language
Earl Breiman, 403–427–2984

French as a Second Language
Wally Lazaruk, 403–427–2940

Career and Technology Studies
Sharon Prather, 403–422–4872

To be connected toll-free outside of Edmonton, call 310–0000 and ask for the appropriate number above.

Computers for Schools Program

Computers for schools is a national program co-sponsored by Industry Canada, Government Services Canada, and the Telephone Pioneers of America, Region 1 (Canada). The allocation of surplus computer equipment is based roughly in proportion to the number of students in each province or territory.

Applications for Computers Go to Alberta Schools

In October 1994, applications were sent to schools throughout Alberta as the Computers for Schools Program began its second year of operation.

In 1994, thanks to the donation of surplus computers by federal government departments and the hard work of a group of local volunteers, 268 personal computers were distributed to Alberta schools.

The number of applications was much greater than was the supply of computers. As a result, computers were allocated to 89 successful applicants, an average of three units per school. More than 500 applications were reviewed by the Alberta Computers for Schools Advisory Committee. The committee expects a greater number of computers to be available this year.

The advisory committee consists of representatives from the Canadian Association of Principals, the Alberta Teachers' Association, the Alberta School Boards Association, Alberta Education, and the Alberta Telephone Pioneers. All are volunteers. The Telephone Pioneers play a key role in the program in Alberta and throughout the country. In 1994, in Alberta, 40 Pioneers spent a combined total of some 900 hours repairing, cleaning, testing and loading operating systems on the computers before they were sent out to schools.

For more information, contact John Travers at 403–422–4872.

English as a Second Language

Teaching Resource

- *Sharing Success.* (ACCESS Network)
  - Understanding ESL
  - ESL Teaching Strategies for Elementary Students
  - ESL Teaching Strategies for Secondary Students

For more information, contact Earl Breiman at 403–427–2984.

French as a Second Language

Teaching Resource

- *French as a Second Language.* (Alberta Education)
  [samples of students' work: performance criteria accompanied by illustrations of students' performance]

For more information, contact Lisa Caouette at 403–427–2940.

Hantavirus

Is There a Risk of Contracting Hantavirus While Handling Owl Pellets?

Owl pellets are balls of indigestible material (bones and fur) regurgitated by owls after feeding and digestion. These pellets are often used by teachers for science-related classroom activities. As owls feed extensively on mice, the pellets contain mice bones, teeth and fur. Publicity surrounding humans contracting the Hantavirus from deer mice, or their droppings, has resulted in teachers questioning the safe handling and using of owl pellets in classroom activities.

Commercially Available Owl Pellets

Commercially supplied owl pellets are generally fumigated in a vacuum chamber before being packaged and shipped. The metabolic corrosive, bromide, and the level of vacuum used in the fumigation process, would kill the virus. Teachers should check with science materials suppliers to ensure that pellets being ordered are fumigated and safe.

Collecting Owl Pellets in Alberta

Some teachers may collect their own owl pellets for classroom purposes. It is these pellets that may pose a slight risk of carrying Hantavirus. Although it is likely that the Hantavirus would be inactivated in the owl's digestive process there is no research confirming this belief. As a safety precaution, teachers collecting owl pellets should soak the pellets carefully with a 5% chlorine bleach solution **before** picking them up off the ground. The pellets should then be placed in a 5% chlorine bleach solution for 30 minutes before use.

How Common Is the Hantavirus in Alberta Mouse Populations?

Hantavirus was identified over 10 years ago in the deer mouse population of Alberta. Approximately one third of the mouse population is deer mice, and of these, only one per cent actually carry Hantavirus. The risk of humans encountering infected mice is relatively low.

Transmission and Precautions

The Hantavirus can be transmitted from infected mouse droppings or urine, through the air, to humans. The recommended treatment of mice-soiled areas is to cover them, with as little disturbance as possible, with a 5% chlorine bleach solution, and allow to soak for 30 minutes before cleaning up.

This information has been verified by Dr. Ken Yu, Biomedical Safety Officer, Occupational Health and Safety, University of Alberta.

Should you have further questions or comments, contact Bev Romanyshyn, Curriculum Standards Branch at 403–427–2984 or Fax 403–422–3745.

Native Languages

Blackfoot and Cree

Teaching Resource

ECS to Grade 12

- *Native Language and Culture.* (ACCESS Network)
  - Principles and Techniques of Teaching
  - The Lesson Plan
  - Language and Culture

  [videocassette]

For more information, contact John Sokolowski at 403–427–2984.

Physical Education

Teaching Resources

- *First Aid: The Vital Link.* (Canadian Red Cross Society)
- *Moving to Inclusion: Active Living through Physical Education: Maximizing Opportunities for Students with a Disability.* (CAPHER)

For more information, contact Gina Vivone-Vernon at 403–427–2984.

Provincial Student Assessment Program

Grades 3, 6 and 9

Brochure on Changes in Achievement Testing

Important information for teachers about changes in achievement testing in Grade 3, Grade 6 and Grade 9 has been distributed to schools. Copies of a yellow, two-page flyer have been sent to principals for distribution to teachers. The flyer excerpts key information from the *General Information Bulletin* of the Provincial Student Assessment Program. The bulletin itself has also been sent to each elementary and junior high school. If your school needs more copies, please call.

Training Sessions on Local Marking of Achievement Tests

From January through April, the Student Evaluation Branch has been, and is, conducting workshops to assist teachers in marking the written response part of students' provincial achievement tests in language arts. Fifty sessions are being held in locations that are central to large numbers of teachers in various regions of the province. Superintendents have been asked to submit the names of Grade 3, Grade 6 and Grade 9 language arts teachers who will be able to attend training sessions in their area. Participating teachers will be encouraged to provide support to colleagues in their own school jurisdictions.

For more information, contact Dennis Belyk at 403–427–0010.

Special Education (English)

Teaching Resource

- *Exceptions: A Handbook of Inclusion Activities for Teachers of Students at Grade 6–12 with Mild Disabilities.* Second edition. (Sopris West, Inc.)

For more information, contact Grace LeBlanc at 403–422–6326.

New Support Documents

The Special Education Branch is developing a document to replace several 1982–83 special education curriculum guides. The intent of the new document, *Programming for Students with Special Needs,* is to provide teachers with practical information on teaching methods and materials as well as a list of essential and supportive skills to complement and supplement the regular program of studies.

Programming for Students with Special Needs should be available in the fall of 1995. The implementation plan includes inservice sessions for special education coordinators throughout the province.

Programming for Students with Special Needs is the core document in a series. Also being revised are previous resources for teaching students with learning disabilities, behavioural disorders and those who are gifted and talented. The first of these revised documents, *Teaching Students with Learning Disabilities . . . Classroom Strategies*, is scheduled for 1996.

Programming for Students with Special Needs includes the following components.

- An introduction outlining the philosophy and purpose of the document.
- A section on teaching for student differences — this part highlights strategies for differentiating instruction within the regular classroom for students who may be experiencing learning or behavioural difficulties, or who may be gifted and talented. It also describes a process for modifying the regular program and includes several forms to assist in teacher planning.

- A checklist of essential and supportive skills—includes learner expectations by domains, along a continuum of levels. The Alberta Education curricula, 1983, for the educable mentally handicapped, trainable mentally handicapped and dependent mentally handicapped students is scheduled to be replaced by the support document *Programming for Students with Special Needs.*
- A guide to writing individualized program plans (IPPs) replaces the 1989 Alberta Education resource, *Individualized Program Plans: A Reference for Teachers.* The guide describes a process for IPP development and includes strategies for involving parents. There is information on computer programs for writing IPPs as well as a disc with a template. Transition planning is also addressed, along with case studies and samples of completed IPPs.
- A section on hard of hearing and deaf students includes information on the nature of hearing loss, assessment and program planning, teaching students who are deaf, teaching strategies and a list of print and nonprint resources.
- A revised and expanded *Awareness Series* for teachers.

A final section, *Students with Visual Impairments*, is currently under development in collaboration with the British Columbia Ministry of Education. This section will be distributed after the *Programming for Students with Special Needs* document.

It is anticipated that these support documents will be translated/adapted into French.

For more information, contact Greg Bishop at 403–422–6326.

SPECIAL EDUCATION (French)

A copy of the following authorized teaching resource was sent to principals of francophone and French immersion schools in the fall of 1994.

- *Intégration en mouvement: La vie active par l'éducation physique: Multiplier les possibilités offertes aux élèves ayant un handicap.*

This document is part of the Canadian government's five-year national integration strategy to further facilitate the inclusion of persons with disabilities into society. This initiative helps teachers include students with disabilities in physical education classes.
Order additional copies from:

CIRA/CAPHER
1600 James Naismith Drive
Gloucester, Ontario
K1B 5N4
Telephone: 613–748–5622
Fax: 613–748–5737

For more information, contact Suzanne Gareau-Kubicki at 403–427–2940.

WESTERN CANADIAN PROTOCOL

In December 1993, the ministers of education for the six western regions (Manitoba, Saskatchewan, Alberta, British Columbia, Yukon Territory, Northwest Territories) signed the protocol, which has resulted in development of a discussion draft of outcomes for a common Kindergarten to Grade 12 mathematics program. The protocol states that the four provinces and two territories agree to collaborate in basic education because of the importance they place on:

- common educational goals
- high standards in education
- removing obstacles to the access to educational opportunities for students, which include improving the ease of transfer from jurisdiction to jurisdiction
- optimum use of educational resources.

Mathematics is the first subject area selected for joint development work. Alberta is playing a lead role in the mathematics program development.

In the future, mathematics programs authorized in Alberta will be consistent with materials developed by the Western Canadian Protocol for Collaboration in Basic Education.

ECS–ELEMENTARY CURRICULUM AND RESOURCES

General Information

For information on elementary programs, call the following people according to subject area. For resources information, consult the *Buyers Guide* or contact the LRDC directly.

English 403–427–2984
403–422–3745 Fax

ECS, Health, Language Arts	Gina Vivone-Vernon
Mathematics	Art Peddicord
Science	Bernie Galbraith
Social Studies	Jennifer Bushrod
ESL, Fine Arts	Earl Breiman

French 403–427–2940
403–422–1947 Fax

FSL	Lisa Caouette Lucienne Colbourne
Language Arts Français and French	Alain Nogue
Mathematics	Ghislaine Lavergne
Science	Diane Morneau
Social Studies	Denise Stocco
Special Education	Suzanne Gareau-Kubicki
ECS, CALM, Fine Arts, Health, Physical Education	Émile Mandin

International and Native Languages
403–427–2984
403–422–3745 Fax
John Sokolowski

French as a Second Language

Teaching Resources

Grade 1

- *Dimoitou: Dimoitou 1: Chansons, comptines, histoires, dialogues, exercices d'évaluation et activités d'écoute.* (Centre Éducatif et Culturel inc.)
  [beginning level—audiocassettes]

Grade 4

- *Savoir faire: Visages 1 Plus: Fiches reproductibles.* (Addison-Wesley Publishers)
  [beginning level]

Health

Basic Resources

Grade 1

- *Inside Out.* (Prentice Hall Canada Inc.)
  - Super Fit, Super Fed
  - Super Healthy
  - Super Safety
  - Super Who?

Grade 2

- *Inside Out.* (Prentice Hall Canada Inc.)
  - Body Talk
  - Sights and Sounds and Safety
  - Special Book, The
  - Taking Care of Your World

Grade 3

- *Inside Out.* (Prentice Hall Canada Inc.)
  - Healthy You, Healthy Me

Grade 4

- *Young Canada Health.* (Nelson Canada)
  - Young Canada Health 1 [student book]

Grade 5

- *Young Canada Health.* (Nelson Canada)
  - Young Canada Health 2 [student book]

Grade 6

- *Young Canada Health.* (Nelson Canada)
  - Young Canada Health 3 [student book]

Teaching Resources

Grade 1

- *Inside Out.* (Prentice Hall Canada Inc.)
  - Learning Activities Package, Level One
  - Teachers' Resource Book, Level One

Grades 1–3

- *Concept Health.* (Prentice Hall Canada Inc.)
  - Teacher's Guides

Grades 1–6

- *Health for Life.* (Nelson Canada)
  - Life 1: A Teacher's Planning Guide to Health Education in the Primary School
  - Life 2: Health Education in the Primary School: A Teacher's Guide to Three Key Topics: The World of Drugs; Keeping Myself Safe; Me and My Relationships

- *Springboards.* (Nelson Canada)
  - Ideas for Health Education

- *First Aid: The Vital Link.* (Canadian Red Cross Society)

Grade 2

- *Inside Out.* (Prentice Hall Canada Inc.)
  - Learning Activities Package, Level Two
  - Teachers' Resource Book, Level Two

Grade 3

- *Inside Out.* (Prentice Hall Canada Inc.)
  - Teachers' Resource Book, Level Three

Grade 4

- *Young Canada Health.* (Nelson Canada)
  - Health 1: Teacher's Guide

Grade 5

- *Young Canada Health.* (Nelson Canada)
  - Health 2: Teacher's Guide

Grade 6

- *Young Canada Health.* (Nelson Canada)
  - Health 3: Teacher's Guide

Kindergarten—Draft Program Statement

The draft *Kindergarten Program Statement*, 1995 will replace the *ECS Philosophy, Goals and Program Dimensions*, 1984.

The *Kindergarten Program Statement*, 1995 describes the learning achievements that will prepare children for successful learning experiences in Grade 1.

Clear expectations in five learning areas are described in the *Kindergarten Program Statement*. They provide a foundation for elementary schooling:

- Communication: Literacy and Numeracy
- Community and Environmental Awareness
- Creative and Cultural Expression
- Physical Skills and Well-being
- Personal and Social Responsibility.

A complete draft of the *Kindergarten Program Statement* and a number of brochures that summarize the intent of the program were included in a mailout to all elementary schools and ECS private operators.

We encourage you to share the draft *Kindergarten Program Statement* with teachers, parents and interested members of the community.

Those schools wishing additional copies of the draft *Kindergarten Program Statement* or the brochures should contact Lorna Rogers at 403–427–2984.

Language Arts (English)

An annotated list of authorized resources is scheduled to be distributed to all elementary schools in March 1995.

LANGUAGE ARTS (Français and French)

Français and French Language Arts

Basic Resources

Grade 1

- *Collection "Millefeuilles".* (Modulo Éditeur)
  - Le Bulubulu [livre géant]
  - Cache-cache [livre géant]
  - Éva en bonhomme de neige [livre géant]
  - Le grand ménage [livre géant]
  - Juno à l'école [livre géant]
  - La maison hantée [livre géant]
  - Papili et Lulu, un matin [livre géant]
  - Papili et Lulu à Noël [livre géant]
  - Audiocassettes

Teaching Resource

Grade 1

- *Millefeuilles.* (Modulo Éditeur)
  [guide pédagogique]

French Language Arts

Teaching Resource

Grade 2

- *Envol plus.* (Scholastic-TAB Publications Ltd.)
  [guide pédagogique—available in kit only]

LANGUAGE ARTS (Ukrainian)

Basic Resources

Grade 3

- *Nova 3: A Ukrainian Language Development Series.* (Canadian Institute of Ukrainian Studies)
  - Dialogues
  - Echo-acting Routines

MATHEMATICS (English)

An annotated list of authorized resources was distributed to all elementary schools in February 1995.

Teaching Resources

The purchase prices for the following authorized teaching resources, available from the LRDC, have been reduced.

Pre-Grade 1–Grade 1

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: Kindergarten Book

Grade 1

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: First Grade Book

Grades 1–3

- *The Doorbell Rang: A Big Book and Teaching Guide.* (Scholastic-TAB Publications Ltd.)

Grades 1–6

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Making Sense of Data

Grade 2

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: Second Grade Book

Grade 3

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: Third Grade Book

Grade 4

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: Fourth Grade Book

- *MathWorlds.* (Reidmore Books Inc.)
  - Complete Kit
  - Program Kit
  - Collector's Clubhouse Module
  - Factory Module
  - Fire Hall Module
  - Trading Post Module
  - Underwater World Module

Grades 4–6

- *Autoskill Mathematics Program.* (Autoskill International)
  - Canadian Macintosh Beta Version 1.0.1

Grade 5

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: Fifth Grade Book

- *Mathworlds Series.* (Reidmore Books Inc.)
  - Detective Agency Module
  - Space Trek Module

Grades 5–6

- *Addenda Series, Grades 5–8.* (National Council of Teachers of Mathematics)
  - Geometry in the Middle Grades
  - Patterns and Functions

Grade 6

- *Addenda Series, Grades K–6.* (National Council of Teachers of Mathematics)
  - Curriculum and Evaluation Standards for School Mathematics: Sixth Grade Book

MATHEMATICS (French)

Francophone and Immersion Programs

Basic Resources

Grade 1

- *Interactions 1.* (Les Éditions de la Chenelière inc.)
  [guide pédagogique]

Grade 4

- *Interactions 4: Texte de l'élève.* (Les Éditions de la Chenelière inc.)

Teaching Resources

Grades 1–6

- *Les mathématiques à l'élémentaire.* (ACCESS Network)
  - Les manipulatifs
    [Il n'y a pas que la bonne réponse qui compte; la résolution de problèmes; l'estimation; la gestion des données: vidéocassette]

Grade 4

- *Interactions 4.* (Les Éditions de la Chenelière inc.)
  - Documents pédagogiques
  - Feuilles à reproduire

Grades 4–5

- *101 façons à réussir en base dix: Niveau primaire.* (Exclusive Educational Products/Produits éducatifs Exclusive)
  [4ième–6ième années]

SCIENCE

Program Update

Provincial implementation of the revised elementary science program is scheduled for September 1996.

Field validation indicated strong support for the direction of the revised program and provided detailed comments that helped guide further work in revision. An initial screening of resources has also been completed. The revised program of studies and a list of authorized resources should be distributed to schools in the spring of 1995 for optional implementation in September 1995.

Schools have indicated strong interest in the program revision, and Alberta Education has received many requests for information throughout the revision process. Copies of the revised draft will be forwarded upon request.

Schools should note that the current program of studies (1984) remains in effect until September 1996, and that the achievement testing program is based on the current program of studies.

JUNIOR—SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

CAREER AND TECHNOLOGY STUDIES (French)

Teaching Resource

Grades 9–12

- Microsoft Excel, French Windows Version 5.0

For more information, contact Paul Pelchat at 403–427–2940.

LANGUAGE ARTS (English)

Teaching Resources

The following resources have been authorized for senior high English courses as well as for junior high language arts.

- *A Community of Writers: Teaching Writing in the Junior and Senior High School.* (Heinemann/Irwin Publishing)
- *Inside Out: Developmental Strategies for Teaching Writing.* Second edition. (Boynton/Cook Publishers/Irwin Publishing)
- *Media Literacy: Resource Guide, Intermediate and Senior Divisions.* (Ontario Ministry of Education)
- *Response and Analysis: Teaching Literature in Junior and Senior High School.* (Heinemann/Irwin Publishing)

For more information, contact Barbara Esdale at 403–427–2984.

QUESTION BANK (ADLC) CD-ROM

This CD-ROM contains question banks in LXR Test format for the Macintosh and for Windows.

The Macintosh LXR version 5.0 question banks include Mathematics 13–23, Mathematics 33, and Mathematics 31 based on the 1984 program of studies; Physics 20, Science 7, 8, 9, 10, and Social Studies 8, 10, 13, 20, 23, 30 and 33. Mathematics 10, 20 and 30 are included in version 4.1 format and French Mathematics 20 in the French version of LXR.

The Windows LXR version 5.0 question banks include Mathematics 30, and Mathematics 31 based on the 1984 program of studies; Physics 20, Chemistry 20, Science 7; and Social Studies 8, 10, 13, 20, 23, 30 and 33. The CD-ROM is available from the LRDC.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

JUNIOR HIGH SCHOOL

FRENCH AS A SECOND LANGUAGE

Basic Resources

Intermediate Level 4

- *Élans: Élans 1: Première partie.* (Centre Éducatif et Culturel inc.)
  - Cahier d'activités
  - Cassettes
  - Livre

Intermediate Levels 5/6

- *Tous ensemble!: Altitude: Cahier d'activités.* (D. C. Heath Canada Ltd.)

For more information, contact Lucienne Colbourne at 403–427–2940.

Teaching Resources

Beginning Level 3

- *Savoir faire: Passages 1: Cahier d'activités: Fiches reproductibles.* (Addison-Wesley Publishers)

Intermediate Levels 4/5/6

- *Destinations: Destinations 3: Testing Package.* (Copp Clark Pitman Ltd.)

- *Entre amis: Entre amis 3: Guide d'utilisation.* (Prentice Hall Canada Inc.)

Intermediate Level 5

- *Destinations: Destinations 2: Feuilles de travail/Blackline Masters du Cahier d'activités.* (Copp Clark Pitman Ltd.)

- *Passages: Passages 3: Cahier d'activités: Fiches reproductibles.* (Addison-Wesley Publishers)

For more information, contact Lucienne Colbourne at 403–427–2940.

HEALTH

Teaching Resource

Grades 7–9

- *First Aid: The Vital Link.* (Canadian Red Cross Society)

For more information, contact Gina Vivone-Vernon at 403–427–2984.

LANGUAGE ARTS (English)

Program Update

The 1987 Junior High English Language Arts Program of Studies has been organized into a new format to emphasize the integrated nature of the program and to further specify learning expectations by grade. The content and direction of the program remain the same. The 1995 Junior High English Language Arts Program of Studies, which is the result of the foregoing changes, is expected to be available this spring.

SCIENCE (English)

LXR Question Banks for Windows

An LXR for Windows beta question bank for Science 7 has been prepared by the ADLC. It is available on the ADLC Question Bank CD-ROM.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

SOCIAL STUDIES (English)

LXR Question Banks for Windows

An LXR for windows beta question bank for Social Studies 8 has been prepared by the ADLC. It is available on the ADLC Question Bank CD-ROM.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

Social Studies (French)

Teaching Resources

Grade 8, Topic A

- *Geography of Canada and the United States: A Teacher's Resource Package.* (Arnold Publishing Ltd.)
  [guide en anglais pour le livre *Géographie du Canada et des États-Unis*]

Grade 8, Topic B

- *Canada: A History to the Twentieth Century: Teacher's Resource.* (Reidmore Books Inc.)
  [guide en anglais pour le livre *Le Canada: Son histoire jusqu'au 20e siècle*]

Grade 9, Topic B

- *Back in the USSR: Meeting Human Needs in a Centrally Planned Economy: Teacher's Resource.* (Reidmore Books Inc.)
  [guide en anglais pour le livre *Le retour en URSS*]

For more information, contact Denise Stocco at 403–427–2940.

SENIOR HIGH SCHOOL

Career and Technology Studies

The list below provides strand titles, the program consultant responsible, and his or her telephone and fax numbers.

Agriculture
Gary Bertrand
403–297–5022
403–297–3842 Fax

Career Transitions
Michael Alpern
403–422–4872
403–422–5129 Fax

Community Health
Thelma Wilkinson
403–297–5023
403–297–3842 Fax

Communication Technology
Glen O'Neil
403–422–4872
403–422–5129 Fax

Construction Technologies
Rob Baker
403–297–5005
403–297–3842 Fax

Cosmetology
Michael Alpern
403–422–4872
403–422–5129 Fax

Design Studies
Glen O'Neil
403–422–4872
403–422–5129 Fax

Electro-Technologies
Peter Nikkel
403–297–5027
403–297–3842 Fax

Energy and Mines
Gary Bertrand
403–297–5022
403–297–3842 Fax

Enterprise and Innovation
Jan Mills
403–422–4872
403–422–5129 Fax

Fabrication Studies
Rob Baker
403–297–5005
403–297–3842 Fax

Fashion Studies
Jan Mills
403–422–4872
403–422–5129 Fax

Financial Management
Betty Leadbeater
403–422–4872
403–422–5129 Fax

Foods
Jan Mills
403–422–4872
403–422–5129 Fax

Forestry
Gary Bertrand
403–297–5022
403–297–3842 Fax

Information Processing
Susan deWijk
403–297–5018
403–297–3842 Fax

Legal Studies
Betty Leadbeater
403–422–4872
403–422–5129 Fax

Management and Marketing
Susan deWijk
403–297–5018
403–297–3842 Fax

Mechanics
Peter Nikkel
403–297–5027
403–297–3842 Fax

Tourism Studies
Glen O'Neil
403–422–4872
403–422–5129 Fax

Wildlife
Gary Bertrand
403–297–5022
403–297–3842 Fax

For French CTS program development initiatives, contact Paul Pelchat at 403–427–2940.

Information about CTS may be obtained by contacting Sharon Prather, CTS Program Manager or Keith Wagner, Deputy Director, Curriculum Standards Branch, at 403–422–4872, Fax 403–422–5129.

Program Update

The *CTS Program of Studies,* Interim 1994, and the *Guides to Standards and Implementation* for the 13 strands may be obtained through the LRDC.

CTS Tracker, the software designed to help schools track and record student achievement in CTS modules, is being revised and updated and will soon be available through the LRDC. Version 1, discs and manual, is still available. Release of the Macintosh version has been delayed pending resolution of technical problems.

Since the 1992–93 school year, the reporting of student achievement in the Career and Technology Studies program has been via 3-, 4-, 5- and 6-credit course codes. In any situations where a student was unable to successfully complete enough modules to qualify for a course, the school was required to "bank" the modules for later reporting.

We are now introducing course codes from 1- and 2-credit CTS "courses". It is important to recognize that these reporting changes do not allow for the offering of 1- or 2-credit courses. Rather, they are intended only to assist in the process of timely reporting of student achievement. The 1- and 2-credit course codes are being made available only to accommodate students who were enrolled in other full CTS course/credit combinations but were unable to complete all required modules within that school year. Each student should have no more than a single 1- or 2-credit course per year. Further, 1- and 2-credit courses are to be reported at the end of the school year (in June). The only exceptions would be for students who are graduating, leaving or transferring to another school after the first semester.

The 1994–95 field review is over. Seven strands were involved, with both formal and independent sites helping to define the curriculum standards. Debriefing meetings will help determine the necessary revisions to curriculum documents.

Validation of assessment standards continues in the 13 strands now available for optional implementation. Strand-based assessment panels are helping set the conditions and criteria and preparing classroom assessment materials that teachers can use to determine whether or not student performance is at the acceptable level or at the excellent level.

A series of regional CTS workshops to provide teachers with an overview of CTS strands and learning resources is being planned for June 1995, similar to those held around the province in June of 1994. Watch the CTS Communication Network Update and the next issue of *Connection* for the details.

A CTS Summer Leadership Seminar is scheduled for late August 1995 to help teachers implement the CTS strands. Details will be announced later.

The following table summarizes the current status of all 21 CTS strands. A number of modules on safety and leadership are being added to the Career Transitions strand.

Strand	Field Review '95–'96	Optional Imp. Sept '95	Avail Now	No. of Mod
Agriculture			x	31
Career Transitions			x	13
Community Health	x			27
Communication Technology			x	32
Construction Technology			x	46
Cosmetology		x		64
Design Studies			x	31
Electro-Technologies	x			33
Energy and Mines		x		27
Enterprise and Innovation			x	8
Fabrication Studies		x		39
Fashion Studies		x		37
Financial Management			x	15
Foods			x	37
Forestry			x	21
Information Processing			x	43
Legal Studies			x	13
Management and Marketing		x		26
Mechanics		x		49
Tourism Studies			x	24
Wildlife			x	17

Diploma Examinations Program

The first diploma examinations in Mathematics 33 and Social Studies 33 are scheduled for administration in January 1996. Examinations will be administered in January, June and August of each year. As in other diploma examination courses, the diploma examination mark will count 50% and the school-awarded mark will comprise the other 50% of the final course mark.

Mathematics 33

Student achievement of the core content of the course will be measured by the examination. The core content areas as described in the Mathematics 13–23–33 Program of Studies, 1991, are:

- powers and radicals
- annuities, mortgages and loans
- statistics

- trigonometry
- polynomials and rational expressions
- relations and functions
- quadratic functions and equations.

Mathematical abilities in the three areas of concepts, procedures and problem solving will be addressed throughout the examination. Questions will require students to describe their methods of problem solving and communicate their descriptions of mathematical concepts and procedures. Students will also be challenged to make mathematical connections. Connections will be opportunities for students to show they can link mathematical learnings and abilities to topics in the real world, in other disciplines, or within mathematics itself.

Year-end field tests were administered throughout the province in January and will be administered again in June of 1995. In September 1995, a *Mathematics 33 Diploma Examination Information Bulletin* is scheduled to be distributed to all jurisdictions in the province.

For more information, contact Ron Flaig at 403–427–0010.

Social Studies 33

The format being considered for the Social Studies 33 examination includes the following features:

- sixty multiple choice items (30 on Topic A, 30 on Topic B)
- 40 marks for written assignments (four, 10-mark assignments—two for Topic A and two for Topic B)
- each writing assignment preceded by a series of related multiple choice questions (writing assignments throughout the booklet).

Field tests were administered in January and will be administered again in June of 1995. A group of teachers from across the province evaluated writing assignments in February.

For more information, contact Tim Coates at 403–427–0010.

Fine Arts

Basic Resources

Art 10–20–30

- *Art Fundamentals.* Seventh edition. (Times Mirror Professional Publishing Ltd.)
  [the fifth and sixth editions continue to be basic resources]

General Music 10–20–30

- *Jazz Styles: History and Analysis.* Fifth edition. (Prentice Hall Canada Inc.)
  - for the Jazz Appreciation module
    [the fourth edition continues to be a basic resource]

- *An Outline History of Western Music.* Eighth edition. (Times Mirror Professional Publishing Ltd.)
  - for the History of Western Music module
    [the seventh edition continues to be a basic resource]

For more information, contact Earl Breiman at 403–427–2984.

French as a Second Language

Basic Resources

French 20 (Intermediate Level 4)

- *Élans: Élans 1: Première partie.* (Centre Éducatif et Culturel inc.)
  - Cahier d'activités
  - Cassettes
  - Livre

French 30 (Intermediate Level 5/6)

Tous ensemble: Altitude: Cahier d'activités. (D. C. Heath Canada Ltd.)

French 31a (Advanced Level 7)

- *Colloques: Textes du monde francophone: Activités de compréhension et de communication.* (Centre Éducatif et Culturel inc.)
  [Livre de l'élève]

- *Colloques: Textes du monde francophone.* (Centre Éducatif et Culturel inc.)
  [Audiocassettes]

For more information, contact Lucienne Colbourne at 403–427–2940.

Teaching Resources

French 10 (Beginning Level 3)

- *Savoir faire: Passages 1: Cahier d'activités: Fiches reproductibles.* (Addison-Wesley Publishers)

French 20

(Intermediate Level 4)

- *Élans: Élans 1: Première partie.* (Centre Éducatif et Culturel inc.)
  - Feuilles d'activités à reproduire
  - Guide pédagogique

(Intermediate Levels 4/5)

- *Destinations.* (Copp Clark Pitman Ltd.)
  - Destinations 2: Feuilles de travail/Blackline Masters due Cahier d'activités
  - Destinations 3: Testing Package

- *Entre amis: Entre amis 3: Guide d'utilisation.* (Prentice Hall Canada Inc.)

- *Passages: Passages 3: Cahier d'activités: Fiches reproductibles.* (Addison-Wesley Publishers)

- *Savoir faire: Passages 3: Teacher's Guide.* (Addison-Wesley Publishers)

French 30

(Intermediate Levels 4/5)

- *Savoir faire: Passages 3: Teacher's Guide.* (Addison-Wesley Publishers)

(Intermediate Levels 5/6)

- *Destinations: Destinations 3: Testing Package.* (Copp Clark Pitman Ltd.)

- *En direct: En direct 1: Feuilles à reproduire.* (Prentice Hall Canada Inc.)
  [cahier workbook blackline masters]

- *Entre amis: Entre amis 3: Guide d'utilisation.* (Prentice Hall Canada Inc.)

- *Passages: Passages 3: Cahier d'activités: Fiches reproductibles.* (Addison-Wesley Publishers)

- *Tous ensemble! Altitude.* (D. C. Heath Canada Ltd.)
  - Audiocassette
  - Feuilles d'exercise
  - Feuilles de travail

French 31a (Advanced Level 7)

- *Colloques: Textes du monde francophone.* (Centre Éducatif et Culturel inc.)
  [Livre du maître]

French 31a–31b–31c (Advanced Levels 7/8/9)

- *Via.* (Didier/Éditions Hurtubise HMH ltée)
  [Audiocassette]

For more information, contact Lucienne Colbourne at 403–427–2940.

Guidance and Counselling

Trust Fund Scholarship

The Lord Strathcona Trust Fund is donating two scholarships, valued at $750 each, to students entering the first year, or continuing studies, in education, physical education or recreation management on a full-time basis. Applicants must have served, or be serving, with cadets for at least three years. Applications are to be in letter format. The submission deadline is May 15, 1995.

For application details and further information, contact:

Secretary
Lord Strathcona Trust Fund
Alberta Provincial Committee
Cadet Detachment Edmonton
Canadian Forces Base Edmonton
PO Box 10500
Edmonton, Alberta
T5J 4J5

International Languages

Basic Resource

Spanish 30

- *¿Accion? Series.* (Glencoe/Maxwell Macmillan Canada)
  - Level 3: Student Text
    Writing Activities Workbook

Teaching Resources

Japanese 20–30

- *Kimono Series.* (CIS Education/Weigl Educational Publishers Ltd.)
  - Kimono 2: Teacher's Manual
  - Kimono 3: Teacher's Manual

Spanish 20–30

- *¿Accion? Series.* (Glencoe/Maxwell Macmillan Canada)
  - Level 2: Teacher's Classroom Resources
    Teacher's Wraparound Edition
  - Level 3: Audio Cassettes with Student Tape Manual TAE
    Teacher's Annotated Edition
    Teacher's Classroom Resources

Spanish 30

- *Language and Life Styles Series.* (Gessler Publishing Co./T.H.A. Media Distributions Ltd.)
  - Christmas in Spain [Spanish version]

For more information, contact John Sokolowski at 403–427–2984.

Language Arts (English)

English 23

Basic Resource

- *Features Series.* (Nelson Canada)
  - The View from Here.

Teaching Resource

- *Features Series.* (Nelson Canada).
  - The View from Here: Teacher's Guide.

For more information, contact Barbara Esdale at 403–427–2984.

Mathematics

LXR Question Banks for Macintosh

An LXR version 5.0 beta question bank, based on the 1984 program of studies for Mathematics 31, has been prepared by the ADLC. It is available on the ADLC Question Bank CD-ROM.

LXR Question Banks for Windows

LXR for Windows beta question banks for Mathematics 30 and Mathematics 31 have been prepared by the ADLC. The Mathematics 31 question bank is based on the 1984 program of studies. Both are available on the ADLC Question Bank CD-ROM.

For more information on the LXR question banks, contact the Instructional Technology and Media Unit at 403–674–5333.

Mathematics 31 Course Update

An interim course of studies has now been approved. Some schools may have already introduced the course of studies in February 1995 in preparation for provincial implementation in September 1995. Resources were previously approved.

Native Languages

Teaching Resources

Blackfoot 10–20–30 and Cree 10–20–30

- *Teaching Native Languages in High Schools: A Teacher Resource Manual.* (Alberta Education)

For more information, contact John Sokolowski at 403–427–2984.

Science (English)

Chemistry 20

LXR Question Banks for Windows

An LXR for Windows beta question bank for Chemistry 20 has been prepared by the ADLC. It is available on the ADLC Question Bank CD-ROM.

LXR Question Banks for Macintosh

An LXR version 5.0 beta question bank for Chemistry 20 has been prepared by the ADLC. It is available on the ADLC Question Bank CD-ROM.

Physics 20

LXR Question Banks for Windows

An LXR for Windows beta question bank for Physics 20 has been prepared by the ADLC. It is available on the ADLC Question Bank CD-ROM.

For more information on the LXR question banks, contact the Instructional Technology and Media Unit at 403–674–5333.

Science (French)

Physics 20–30

Teaching Resource

- *Éléments de physique: Cours d'introduction: Guide d'enseignement.* (Les Éditions de la Chenelière inc.)

For more information, contact Diane Morneau at 403–427–2940.

Social Studies (English)

LXR Question Banks for Windows

LXR for Windows beta question banks for Social Studies 10, 20, 30, 13, 23 and 33 have been prepared by the ADLC. They are available on the ADLC Question Bank CD-ROM.

For more information, contact the Instructional Technology and Media Unit at 403–674–5333.

Social Studies 10 and Social Studies 13

The review of resources for potential authorization for Social Studies 10 and Social Studies 13 is being completed. New authorizations are expected to be listed in the May LRDC supplement.

For more information, contact Joan Engel at 403–427–2984.

Social Studies (French)

Social Studies 23, Topic B

Teaching Resources

- *Towards Tomorrow: Canada in a Changing World Geography: Teacher's Guide.* (HBJ-Holt-Saunders)
  [guide en anglais pour le livre *Regard sur l'avenir! Le Canada et les défis mondiaux*]

- *World Issues in the Global Community: Teacher's Manual.* (John Wiley & Sons)
  [guide en anglais pour le livre *Les problèmes mondiaux et la communauté internationale*]

For more information, contact Denise Stocco at 403–427–2940.

OTHER NEWS

Athletic First Aid Program

Physical Education 20–30 Teachers

Through the Athletic First Aid Program students can be taught how to prevent and treat injuries, such as sprained ankles and separated shoulders; how to tape an ankle, apply a sling and much more.

For more information, contact the Sport Medicine Council of Alberta at 403–453–8636.

For a Smoke-Free Generation...

Faced with compelling negative pressure from peers and the media, many children find that making wise choices about their health can be extremely difficult. In an effort to provide young people with the information and confidence they need to choose a healthy, smoke-free lifestyle, the Alberta Lung Association (ALA) offers two programs for school children that are educational and fun.

The Smoke-free Class of 2000 curriculum program, for Grade 1 through Grade 7, is designed to be integrated into the existing school curriculum, combining social and recreational activities with language learning, social studies and health subjects. The program is targeted toward the 40 000 Alberta students who will graduate in the year 2000, but also reaches students in the grades following.

Lungs in Action is a fund-raising program for elementary schools that promotes health and fitness while also raising money to support the Smoke-free Class of 2000 program. Students gather pledges and then participate in 2000 seconds (33.33 minutes) of aerobic activity. Every student gets a prize just for participating, and is also eligible for additional bonus prizes. Of the money raised, 20 per cent goes back to the school, while the remainder is used to fund the Smoke-free Class of 2000 program.

As an extension of the program, the Alberta Lung Association is also introducing a new asthma awareness program this month, called Action for Airways. Asthma is one of the most common illnesses among children, and the number of children suffering from this disease is on the rise. Awareness and education about childhood asthma is vital, not only for parents and asthmatic children, but also for educators with asthmatic students, and students with asthmatic classmates. Action for Airways is a series of lesson plans designed to help students and teachers learn more about the nature and causes of asthma, as well as ways to manage the disease.

The Alberta Lung Association is promoting these programs among Alberta schools in the hope of creating a generation of healthy, smoke-free young people by the year 2000. For more information about these, or any other Lung Association programs, call the ALA at 403–492–0354, or toll free, at 1–800–661–LUNG.

Middle Schools Conference: Teaming Towards 2000

A conference sponsored by the Alberta Middle School Association (AMSA) is being held April 21 and 22, 1995, at the Westin Hotel, Calgary, Alberta.

The keynote speaker is John Lounsbury, renowned middle school educator, researcher and speaker.

Presentations include: Barclay Cant, the Middle Years Student; Steven Street, Cooperative Learning/Cooperative Schools; Paul Adams, Working with Parents and Community; and a variety of workshops by experienced middle years educators.

For more information on the conference, or the Alberta Middle School Association, contact Dot Negropontes, Conference Director. Telephone 403–556–1003, Fax 403–556–1063.

Olympic Academy of Canada Workshop

The Olympic Academy of Canada (OAC) is a week-long annual residential workshop on the prospects and problems of the Olympic Movement. The OAC brings together athletes, coaches, professional or volunteer sport administrators, teachers, the media, university students and other individuals who have an interest in taking a leadership role in the Olympic Movement.

The theme of the 1995 Academy is Olympism and People: What to Do with Our Most Important Olympic Resource. The sessions will emphasize discussion and development of practical ways in which the Canadian Olympic Association can best use its most important resource—our people.

Applications to attend are invited from athletes, coaches, professional or volunteer sport administrators, teachers, university students, journalists and individuals who have an interest in taking a leadership role in the Olympic Movement. There is no age restriction. The Canadian Olympic Association will choose 50 participants from across Canada to attend the Academy.

All Academy materials are provided in French and English, and simultaneous translation is available for all sessions. The fee is $400. It covers registration, attendance at all academy sessions, accommodation and meals for the week, academy materials, social events scheduled as part of the Academy, and travel from the nearest commercial airport of the delegate to the Academy site.

Applications are available in January of each year and must be received by late March. Successful applicants are chosen shortly thereafter and are notified immediately. To obtain an application form, contact:

Canadian Olympic Association
1600 James Naismith Drive
Ottawa, Ontario
K1B 5N4
Telephone: 613–748–5647
Fax: 613–747–9483

Science Teachers—National Summer Program

The Environment: Soil, Water and Air

Where: Queen's University Campus
When: July 12–21, 1995
Deadline: April 10, 1995

Candidates who have an interest in science and science teaching at any school level are invited to participate in a short but intense interdisciplinary program. Lectures, demonstrations, laboratories, field trips and workshops will deal with recent developments in environmental monitoring and modelling and how these can be related to and used in classroom teaching.

Generous travel allowances will be awarded to successful candidates, and board and lodging are provided. Application/nomination packages are available from:

Professor W. P. Aston, Professor A. N. Brown
Coordinators
Room 224 Botterell Hall
Queen's University
Kingston, Ontario
K7L 3N6

Site-based Management Symposium

Phi Delta Kappa and Continuing Professional Education, University of Alberta, will jointly sponsor a symposium on Site-based Management: Shared Decision Making, Saturday, April 29, 1995, to be held at the University of Alberta, Education Building.

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The morning format will consist of guest speakers from a variety of areas involved in site-based management. Trained facilitators will lead dialogue groups in the afternoon session. Both sessions of the symposium have been designed to **provide** information as well as to **share** information with those who are working, or beginning to work, with a site-based management model.

The fee for the full day symposium, including lunch and coffee, is $50. Attendance is limited to the first 180 registrants and the deadline is April 7, 1995. Cheques should be made payable to the University of Alberta PDK and mailed, along with a registration form, to:

Mr. Don Sinkwich
Queen Street Elementary School
505 Queen Street
Spruce Grove, Alberta
T7X 2V2

For more information, contact Marion Watson at 403–467–5519.

LRDC BUYERS GUIDE

The Learning Resources Distributing Centre (LRDC) annual *Buyers Guide* is scheduled to be delivered to all Alberta schools during the first week of April.

In addition to authorized learning resources, the LRDC sells general learning resources, including maps, atlases, globes and dictionaries as listed in the General Learning Resources section of the *Buyers Guide*.

Connection is a publication of Alberta Education. For more information or for additional copies, contact the Editor, Curriculum Standards Branch, 5th Floor, West Tower, Devonian Building, 11160 Jasper Avenue, Edmonton, Alberta, Canada, T5K 0L2.

Telephone: 403–422–4872
Fax: 403–422–5129

We welcome your comments and suggestions.

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Alberta
EDUCATION